<u>In the Claims</u>

Please cancel claims 1-28, without prejudice.

Please add new claims as follows:

CLAIMS

1   --29.   A method for providing broadcast discovery in a network, the method comprising:

2   in response to a reset of a 1394 bus, generating advertised discovery information

3   by every device connected to the 1394 bus;

4   receiving the advertised discovery information of every device connected to the

5   1394 bus by each discovering device in the network; and

6   each discovering device maintaining a list of devices in the network and a list of

7   services associated with each device in the network using the advertised discovery

8   information.

1   **30.**   The method of claim **29** wherein the network comprises two or more 1394 buses

2   coupled via a 1394 bridge.

1   **31.**   The method of claim **29** wherein each device in the network is any one of a

2   consumer electronic device, a peripheral device, a cable modem, and a personal

3   computer.

1   **32.**   The method of claim **29** wherein the advertised discovery information includes

2   device and service information.

1 **33.**   A method for providing a broadcast discovery in a network having one or more

2 1394 buses, the method comprising:

3   sending a solicit packet to a plurality of network devices by a discovering device,

4 the solicit packet containing a bus identifier;

5   generating advertised discovery information by any of the plurality of network

6 devices that is coupled to a bus with an identifier corresponding to the bus identifier in

7 the solicit packet; and

8   the discovering device receiving the generated advertised discovery information

9 and utilizing the generated advertised discovery information to maintain a list of the

10 plurality of network devices and a list of services associated with each of the plurality of

11 network devices.

1 **34.**   The method of claim **33** wherein each of the plurality of network devices is any

2 one of a consumer electronic device, a peripheral device, a cable modem, and a personal

3 computer.

1 **35.**   The method of claim **33** wherein the bus identifier in the solicit packet is a global

2 bus identifier that corresponds to each bus in the network.

1 **36.**   The method of claim **33** wherein the bus identifier in the solicit packet is an

2 identifier of a certain bus in the network.

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1 **37.** The method of claim **33** wherein the advertised discovery information includes

2 device and service information.

1 **38.** A network comprising:

2 one or more 1394 buses; and

3 a plurality of network devices connected to the one or more 1394 buses, each of

4 the plurality of network devices generating advertised broadcast information upon a reset

5 of a 1394 bus coupled to said each of the plurality of network devices and upon a receipt

6 of a solicit packet containing a bus identifier corresponding to an identifier of a 1394 bus

7 coupled to said each of the plurality of network devices, the plurality of network devices

8 including one or more discovering devices to receive the generated advertised broadcast

9 information and to maintain a list of the plurality of network devices and a list of services

10 associated with each of the plurality of network devices based on the generated advertised

11 broadcast information.

1 **39.** The network of claim **38** wherein each of the plurality of network devices is any

2 one of a consumer electronic device, a peripheral device, a cable modem, and a personal

3 computer.

1 **40.** The network of claim **38** wherein the bus identifier in the solicit packet is a global

2 bus identifier that corresponds to each bus in the network.

1   **41.**   The network of claim **38** wherein the bus identifier in the solicit packet is an

2   identifier of a certain bus in the network.

1   **42.**   The network of claim **38** wherein the advertised discovery information includes

2   device and service information.

1   **43.**   A computer readable medium that provides instructions, which when executed on

2   a processor, cause said processor to perform operations comprising:

3   receiving advertised discovery information generated by every device connected

4   to a 1394 bus upon a reset of the 1394 bus; and

5   maintaining a list of network devices and a list of services associated with each of

6   the network devices using the advertised discovery information.

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1   **44.**   The computer readable medium of claim **43** wherein the advertised discovery

2   information includes device and service information.

1   **45.**   A computer readable medium that provides instructions, which when executed on

2   a processor, cause said processor to perform operations comprising:

3   sending a solicit packet to a plurality of devices in a network, the solicit packet

4   containing a bus identifier;

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5   receiving advertised discovery information generated by any of the plurality of

6   devices that is coupled to a bus with an identifier corresponding to the bus identifier in

7   the solicit packet; and

8   utilizing the generated advertised discovery information to maintain a list of the

9   plurality of devices and a list of services associated with each of the plurality of devices.

1   **46.**   The computer readable medium of claim **43** wherein the advertised discovery

2   information includes device and service information.--